

## Business Cards.

**H. W. SEVERANCE,**  
Hawaiian Consul and Commission  
Merchant, 316 California Street, San Francisco,  
California. No. 4. oct 183-w

**F. A. SCHAEFER & CO.,**  
Importers & Commission Merchants  
**HONOLULU, H. I.**  
apl-w

**C. GERTZ,**  
—IMPORTER AND DEALER IN—

**Boots & Shoes,**  
— ALSO —  
**French Dressing.**  
No 80, Fort Street, Honolulu. o133m-w

**WING WO TAI & CO.,**  
Have constantly on hand and For  
Sale a full line of  
**JAPAN AND CHINA TEAS.**  
both High and Low Priced, according to quality:  
Best China Mattings, plain and colored. Also, full  
assortment of Plantation supplies, all kinds.  
Always on hand a large stock of Rice, they being  
Agents of three Plantations. oct 183-w

**J. W. HINGLEY & CO.,**  
Manufacturers of

**HAVANA CIGARS,**  
Importers, Wholesale and Retail Dealers in

**Tobacco, Cigarettes Smokers' & Articles**  
The most complete stock in the  
Hawaiian Kingdom.

TRY OUR  
**Home Manufactured Cigars.**  
KING STREET, Near Alakea,  
HONOLULU, H. I. jys-wtf

**Bone Meal! Bone Meal!**

**BONE MEAL (WARRANTED PURE), FROM**  
the Manufacture of BUCK & ASHLAND  
San Francisco. Orders for this

**Celebrated Fertilizer**

will now be received by the undersigned. Planters  
are requested to send their orders in early, so that  
here will be no delay in having them filled in  
time for the planting season. Also,

**Super-Phosphates,**  
A Fine Fertilizer for Cane.

Orders received in quantities to suit.  
WM. G. IRWIN & CO., Agents  
fcl6-wtf

## NOTICE.

**THROUGH TICKETS FOR THE**  
**VOLCANO,**  
And RETURN to HONOLULU.

May be obtained from the undersigned.  
Tourists leaving Honolulu by the steamer  
Planter, as per time-table, will be landed at Puna  
luu; from whence they will be conveyed by rail  
way to Pahala, where horses and guides will be in  
attendance.

Tourists can make the round trip by this  
route in seven days, giving them four days for  
the land trip to and from the Volcano.

Fare for the round trip from Honolulu to the  
Volcano and back, \$60.

Further information can be had at the office  
of the

**Inter-Island Steam Navigation Co.,**  
Esplanade, Honolulu.  
Or from J. F. JUDD, VOLCANO HOUSE.  
my15-wly

**J. HOPP & CO.**

No. 74 King Street, Honolulu.

HAVE ON HAND

**Ebonized Plush Parlor Sets,**

**Odd Upholstered Chairs,**

AND ALL KINDS OF

**ELEGANT**

**Eastern Furniture.**

**Bedding of all kinds kept on hand**  
and made to order.

**Parlor Sets re-covered and re-stuffed,**  
and all kinds of Furniture

**REPAIRED.**

Parties will do well by calling and exam-  
ining our bedding and upholstery, as we  
employ the best of help.

Telephone No. 143.

jy29-tfw

## Business Cards.

S. C. ALLEN. M. P. ROBINSON.

**ALLEN & ROBINSON,**  
IN LUMBER AND ALL KINDS OF BUILDING  
MATERIALS, Paints, Oils, Nails, etc., etc.  
AGENT FOR SCHOONERS

KULAMAU.  
KEKAULUOAI,  
MARY ELLEN,  
PAUHI,  
FAIRY QUEEN  
ULAMA  
LEAHI.  
Honolulu, Hawaiian Islands. oct 183-d&w

**JOHN W. KALUA,**  
Attorney and Counsellor at Law.

Agent to take acknowledgments to Instruments  
for the Island of Maui. Also, Agent to take ac-  
knowledgments for labor Contracts for the District  
of Walluku. jan 181-w

**M. McINERNEY,**  
Importer and Dealer in Clothing,  
Boots, Shoes, Hats, Caps, Jewelry, Perfumery,  
Pocket Cutlery, and every description of Gent's  
Superior Furnishing Goods. 825 Benkert's Fine  
Calf Dress Boots, always on hand.  
N. E. CORNER FORT & MERCHANT STS. jan181-w

**WILLIAM ROBSON,**  
**MERCHANT TAILOR,**  
90 Fort Street, Honolulu, H. I.  
feb29-w3m

**EMPIRE HOUSE,**  
Choice Ales. Wines & Liquors,  
Corner Nuuanu & Hotel Sts.  
oct1-w **JAMES OLDS Proprietor.**

**W. H. CROSSMAN & BRO.,**  
**Shipping**  
— AND —

**Commission Merchants,**  
118 Chambers St., NEW YORK.  
Reference—Castle & Cooke and J. T. Waterhouse.  
jan 183 ly-w

**M. THOMPSON,**  
**ATTORNEY AT LAW**  
And Solicitor in Chancery.

OFFICE AT THE CORNER MERCHANT  
and Fort Streets, Honolulu, H. I.  
jy1 '84-w

**WILLIAMS, DIMOND & CO.,**  
**Shipping**  
— AND —

**Commission Merchants,**  
Union Block, 202 Market Street,  
jun 30 83-w SAN FRANCISCO.

**H. E. McINTYRE & BROTHER**  
**GROCERY & FEED STORE.**  
Corner of Fort and King Streets,  
Honolulu, H. I.  
au18 81 dmy8

**HOLLISTER & CO.,**  
**DRUGGISTS AND TOBACCONISTS!**  
WHOLESALE AND RETAIL.  
59 Nuuanu Street, cor Fort & Merchant Streets  
mrt 82-w

**F. T. Lenehan & Co.,**  
IMPORTERS AND GENERAL COM-  
mission Merchants. Wholesale Dealers in  
WINES, ALES and SPIRITS.  
Honolulu, H. I. jan 181 ly-w

**M. GROSSMAN,**

**DENTIST, BEGS LEAVE TO INFORM**  
his many friends and the public in general  
that he has opened his

**Office at N. 100 Hotel St.,**  
NEXT TO Y. M. C. A. BUILDING  
Where he would be pleased to have you give him  
a call, hoping to gain the confidence of the public  
by good work and reasonable charges. set 3m-w

**S. ROTH,**  
**MERCHANT TAILOR,**  
83 Fort St., Honolulu, H. I.  
oct 183-w

**WING WO CHAN & CO.,**  
Importers and General Dealers in  
English, American and Chinese Provisions,  
Plantation Tea and General Supplies. Also, First-  
Class White and Colored Contract Matting—all  
all qualities and prices.  
No. 29 Nuuanu Street, opposite Mr. C. Afong's.  
oct 183-w

**WILLIAM TURNER,**  
**PRACTICAL WATCHMAKER,**  
LATE OF SAN FRANCISCO.

Has established himself at 82 King Street, oppo-  
site M. Rose's Carriage Factory.

**FINE WATCH WORK**  
a specialty, and satisfaction guaranteed. oct 183w

CALIFORNIA CANDIDATES FOR CON-  
GRESS.

We give below the names of the  
candidates for Congress in the State  
of California at the ensuing election.  
In each case the first named after  
the Congressional district mentioned  
is the Republican and the second  
named is the Democratic candidate:

First District—T. L. Carothers,  
Barclay Henley.

Second district—James A. Louttil,  
Charles A. Sumner.

Third District—Joseph M. McKen-  
na, John R. Glascock.

Fourth District—W. W. Morrow,  
R. P. Hastings.

Fifth District—Charles N. Felton,  
Frank J. Sullivan.

Sixth District—H. H. Markham,  
R. F. Del Valle.

Henley Sumner and Glascock are  
present members of Congress. Sum-  
ner, who was beaten in his own dis-  
trict of San Francisco for the nomi-  
nation by Hastings, the somewhat  
notorious President of the Board of  
Education, accepted the nomination  
in the second district in place of Budd,  
who beat the celebrated H. F. Page  
at the last election, and who with-  
drew from the canvass on account of  
ill health.

W. W. Morrow has been prominent  
as Chairman of the Republican State  
Committee for some time, and re-  
ceived the greatest number of votes  
at the last election for Congressman-  
at-large than any person on the Re-  
publican ticket.

Mr. Felton, better known as Char-  
ley Felton, is a wealthy capitalist,  
who is largely interested in the pro-  
duction of California petroleum. He  
has been several times member of  
the California Assembly from San  
Mateo county and prominently men-  
tioned several times in connection  
with the Governorship of the State.

R. F. Del Valle, the Democratic  
nominee in the sixth district, is a  
genuine native Californian of the  
old and wealthy stock, who is highly  
educated and a practicing attorney.  
He has served several terms in the  
Assembly, and was at the last session  
elected President pro tem. of the  
Senate. During his first term in that  
body.

## The Foochow Arsenal.

The following description of the Arsenal  
at Foochow, China, destroyed by the  
French on the 23rd of August, is taken  
from the Hongkong Daily Press:

The construction of the Arsenal was  
commenced in 1867, and completed in  
1874. The work was designed by and  
carried out in its entirety under the sole  
direction of M. Giquel. What the French  
guns have destroyed was in fact entirely  
the creation of a French brain. M. Giquel  
was in the Customs service when he un-  
dertook the establishment of the Arsenal.  
Before entering the Customs service he  
was, we believe, in the French Navy. At  
all events he proved himself well-fitted for  
the task he entered on. The establish-  
ment was called an Arsenal, but it was in  
reality merely a shipbuilding and repair-  
ing yard, and had nothing to do with the  
manufacture of the armament of the ships  
it turned out. M. Giquel promised the  
Chinese that natives should there thor-  
oughly learn how to build, engine and  
navigate steamships without foreign assist-  
ance, and there were accordingly schools  
of navigation and naval construction at-  
tached to the establishment, the students  
in which were, to a large extent, drawn  
from the Central School at Hongkong.  
The writer had the opportunity of going  
through the works some five years ago in  
company with one of the European gen-  
tlemen at that time engaged there, and  
was much struck with the complete-  
ness of all the arrangements alike in the  
foundry rolling mill, fitting shop, carpen-  
ter's shop, and all other branches. There  
were several steam-hammers, and forgings  
of the largest description could be carried  
out. The works were entirely self-con-  
tained, and practically no manufactured  
material whatever was brought within its  
gates for the purpose of being worked up  
—at least nothing in a more advanced  
stage of manufacture than pig-iron. From  
the keel upwards the ship was absolutely  
made in the yard; her anchors were  
forged there, her machinery made, and all  
her fittings put in. The Arsenal even  
made many of its own tools, and on the  
occasion of the visit referred to men were  
seen at work on files and saws. At that  
time there was on the stocks a transport  
of 1500 tons, but work generally seemed  
to be rather slack. The establishment,  
in fact, was working at very much below

full power, and there was a general air of  
stagnation. From casual remarks made  
here and there an inference might be  
gathered that there was a hitch somewhere  
—probably funds were short. It has  
always been a tremendous drain on the  
provincial exchequer, and it is extremely  
doubtful whether it will be rebuilt; at  
least on the same gigantic scale. The  
works were much larger than there was  
any necessity for, and taking into account  
the interest on capital sunk the ships  
turned out cost much more than  
they could have been bought for else-  
where. In 1879 the works were entirely  
under Chinese direction, with two Eu-  
ropeans at the head of departments and  
one in the office. Since then the Euro-  
pean heads of departments seem to have  
been dispensed with. M. Giquel is still  
returned at the Director, but he has been  
absent in France for a good many years.  
The number of men employed was about  
1,500. Everything was on a French  
model, and most of the workmen picked  
up a little of that language.

A very interesting feature in connection  
with the arsenal was the slip on which  
vessels were taken up for repairs. This  
was of a kind of which the writer was  
told there was only one other in existence,  
and that in France. Instead of the ves-  
sel being hauled up end on, a platform  
was lowered beneath her as she lay broad-  
side to, and the whole was then raised by  
an arrangement of powerful screws. It  
was a very ingenious contrivance, and  
likewise very costly, as well as being ex-  
pensive to keep up.

As above mentioned, attached to the  
arsenal were two schools, one for naval  
construction and the other for navigation.  
The former was under French masters  
and the latter under English masters. At-  
tached to the naval construction school  
was a very extensive laboratory. At the  
time of the writer's visit there were  
thirty-eight pupils in each of the two  
branches. The ordinary number was  
said to be about sixty, but several batches  
had recently left for practical instruction  
and were cruising off Formosa. The  
pupils were boarded at the school and  
were kept under strict discipline.

## New Vertical Water-Tube Boiler.

[From the Mechanical World and Steam Users'  
Journal.]

The great fault of vertical boilers is  
their lack of regular ebullition. Steam  
escapes from their furnace crowns in large  
bubbles, which in rising from the water  
carry up a considerable quantity of water,  
and the supply of steam is therefore often  
very wet. We have recently made an  
inspection of a vertical boiler in which  
this fault appears to have been thoroughly  
overcome, with at the same time an in-  
crease of efficiency, and the improvement  
may be applied to any existing boiler of  
suitable type. The improvement consists  
in the application of a number of U tubes  
to the crown of the firebox, which project  
well down towards the grate. These tubes,  
which may be from 1 1/4 in. to 2 1/2 in. or  
even more, in diameter, and of length  
suited to the height of the furnace, are  
beaded into the firebox crown sheet in the  
ordinary manner, but into one leg of the  
U a ferrule is driven, having a closed  
top but a lateral opening. This ferrule  
lengthening one leg of the tube, causes,  
when heat is applied, a continuous cir-  
culation through the tube, and the water is  
ejected laterally from the ferrule, parting  
freely with its contained steam, and its  
place is supplied by the entry of other  
water at the shorter leg. We have tested  
these tubes and found that when circula-  
tion is stopped by a large addition of cold  
water, it very quickly re-establishes it-  
self, and before many seconds is again  
quite steady and continuous, and it  
appeared to make no material difference  
whether the opening in the ferrule was  
above or below water. The addition of  
the tubes adds largely to the heating sur-  
face of the boiler, and this, too, of a very  
efficient sort; and the rapidity of circula-  
tion is so great that it appears question-  
able whether any dirt or scale can accu-  
mulate in the tubes. A baffle of fire-  
clay is added to force the heated gases  
amongst the tubes, instead of allowing  
their free uninterrupted passage to the  
funnel.

The device appears calculated to be of  
good service, and will we believe, be  
found to give good results. The dimen-  
sions of one of the boilers are as follows:  
Height, 3ft. 3in. with ashpit; diameter,  
2ft. 2in; number of tubes 17, each 12in.  
long; total heating surface, 27 square ft.  
This boiler drives a launch 26ft long x 6ft.  
beam and 3 feet deep, the engines having  
a single cylinder, 5in. diameter x 6in.  
stroke, and running at 200 revolutions.  
Another steam launch 40ft. long, has a  
boiler 2ft. 6in. diameter and 5ft. high, and

this boiler has 28 tubes, and a total heat-  
ing surface of 47ft., and supplies an en-  
gine with three cylinders, each 6in. dia-  
meter and 5in. stroke. From cold water  
steam at 60lb. was raised in thirty minutes  
after lighting up, and boilers can be con-  
structed to raise steam to 1000lb. in 10  
minutes by modification in their capacity  
for water. Boilers for engine purposes  
can be constructed to raise steam to 100lb.  
pressure in 12 minutes.

## Blaine's Pedigree.

Van Cleve Phillips of St. Louis, who is  
a noted genealogist says: "In 'Burke's  
Peerage of the British Isles' the Blaines  
can be traced back to Griffith of Tynam,  
King of North Wales, A. D. 1097; derived  
from Anarawd, King of North Wales, eld-  
est son of Rodri Mawr, King of Wales, A.  
D. 843, founder of the first Royal Tribe;  
arms, three red lions, peasant (standing);  
from this house descended Owen Gwyn-  
nedd, eldest son of Griffith, who bore on  
his shield three eagles; his son, Owen  
Gwynnedd, A. D. 1272, Prince of North  
Wales, had his shield quartered and bore  
four lions; the second son of Rodri Mawr,  
Bing of South Wales, founded the Second  
Royal Tribe, and bore a lion rampant,  
within a bordure; the descendants of the  
third son Rodri Mawr, A. D. 1046, found-  
ed the Third Royal Tribe, from whom de-  
scended Mado, Prince of Powys Fadog;  
the eldest son of Madoe was the progen-  
itor of Owen Glendower, whose progeny  
was Prince of Ferlys, the country between  
the Wye and Severn; this house founded  
the Fourth Royal Tribe, and had three  
boars' heads, quartered with two lions, on  
his shield. It is from this house that  
the Blaynes derive their arms, which are  
three boars' heads, quartered with lions,  
rampant and reguardant; crest, a fox,  
peasant; motto: *Non Nobis Solum.*

The descent of the Blaines is given in  
Blaine as follows: Blayne or Blaine—  
(Keynsham, county Hereford; derived  
from Howell Blayne of Heyop, county of  
Rednor, ap Meirig, ap Griffith, ap Cad-  
wgan, ap Madoe, ap Hoid lev Goch, ap  
Cadwgan, ap Elysian Glo dridd, Prince  
of Ferleys.) Arms: First and fourth av.,  
three boars' heads coupled sa. armed gu.;  
second and third, a lion rampant (red),  
reguardant (looking behind).

The Romans, when England was ever-  
run by the Saxons (600 A. C.), were driven  
into the mountains of Wales, where they  
fortified themselves and were an indepen-  
dent nation for 800 years, and founded  
the four royal and fifteen noble tribes of  
Wales. From this Roman stock James  
G. Blaine, the Republican candidate, de-  
scended, as shown by the English heralds,  
the book being published under the au-  
thority of Queen Victoria, and where all  
the dukes, barons, and earls of the Brit-  
ish Isles have their descendants recorded.

## The Labor Traffic in the Pacific.

Baren Miklouho Maclay, the Rus-  
sian naturalist, in a letter addressed to  
the Aborigines Protection Society on  
April 17, after reciting recent  
cases in which persons accused of  
grave crimes in connection with the  
Polynesian labor traffic had been ac-  
quitted, says: "This perfect immu-  
nity from punishment induces the  
white men to think nothing of taking  
the life of natives, and men are killed  
or wounded for stealing a few pieces  
of tobacco, as was the case with a  
skipper at Dufauere Island, Orangerie  
Bay, south coast of New Guinea, in  
February last. For the few pieces of  
tobacco stolen by some natives the  
skipper shot one man through the  
chest, the bullet passing out at his  
back; the second bullet went through  
another's head; and the third went  
through the limb of another. The  
Rev. Mr. Gill fears that such attacks  
will lead to reprisals on innocent  
men. It is, I think, only too natural  
that the natives should revenge them-  
selves upon the whites when they  
find a chance."—*English Paper.*

## The History of a Kiss.

"Johnnie," said a girl to her bashful  
companion, as they occupied remote ends  
of the sofa the other night, "I see that a  
lady in New Jersey, 104 years old, boasts  
of having been kissed by Washington."  
"Yes," said Johnnie, "I saw it too."  
"Suppose you were to become a great  
man like Washington?"  
"Well," said Johnnie.  
"And I were to live to be 104 years  
old?"  
"Well?" said Johnnie.  
"I couldn't say of you what the old  
lady said of Washington, could I?"  
Then he kissed her.—*Exchange.*